Nathan Joseph Savas

nathan.savas@student.csulb.edu | nsavas | nathansavas | nsavas.github.io

Education

California State University, Long Beach *Exp. Graduation: May 2021*
Bachelors (B.S) In Computer Science *Concentration GPA: 3.67*
Relevant Coursework: Artificial Intelligence, Computer Architecture, Data Structures & Algorithms, Database Fundamentals, Intro to Software Engineering, Object Oriented Application Development

Experience

Siemens PLM Software *Cypress, CA*
Software Engineering Intern *May 2019 - January 2020*

- Worked with the NX CAD Validation & Diagramming team to develop a web based tool that consolidates user design data through configured reports
- Developed an internal JavaScript client library for the NX cloud service to display report results within a navigator tree
- Integrated tool with another library to tag design components in the 3-D viewer with a bitmap image corresponding to each result category

Perfect Score Academy *Cypress, CA*
Computer Science Tutor *March 2018 - May 2019*

- Designed and delivered a 12-week computer science course for a class of fifteen K-12 students to promote computer science education within the community
- Analyzed and debugged code (Python) written by students and provided feedback
- Led weekly tutorials to teach fundamental programming concepts and develop in class projects

Projects

US City Chemical Release Visualizer
JavaScript, PostgreSQL

- Led a team of 3 in creating a web application with React.js to visualize over 30 years of EPA chemical release data (~5GB) within a given US city
- Implemented a RESTful API to easily create queries from a PostgreSQL database
- Used the Mapbox JS SDK to render results in a map interface and React-Vis to create insightful visualizations for the user to explore

Spot A Bubble
JavaScript

- Developed a web application with React.js to allow Spotify users to visualize their top genres and artists
- Used JavaScript and D3.js to render an interactive bubble chart that scales bubble radius based on user listening data

Skills

Programming Languages: Java, JavaScript, Python, C++, SQL, HTML, CSS, Assembly
Frameworks/Tools: Git, Node, React, D3, PostgreSQL, Matplotlib, Pandas, Numpy, Sci-Kit Learn, Jupyter Notebooks, Visual Studio, Visual Studio Code, Eclipse